

SHARP

Technical Bulletin

LCD Television

Sharp Electronics Corporation
Services and Solutions Group
1300 Naperville Drive
Romeoville, IL 60446

Number: LCDTV-280

Date: 4/21/2010

Model(s): LC40LE700UN / LC46LE700UN / LC52LE700UN / LC40LE700UN(A) / LC46LE700UN(A) / LC52LE700UN(A) / LCC46700UN / LCC52700UN / LCC6077UN / LCC6577UM

Subject: Model Name and Panel Size adjustment procedure

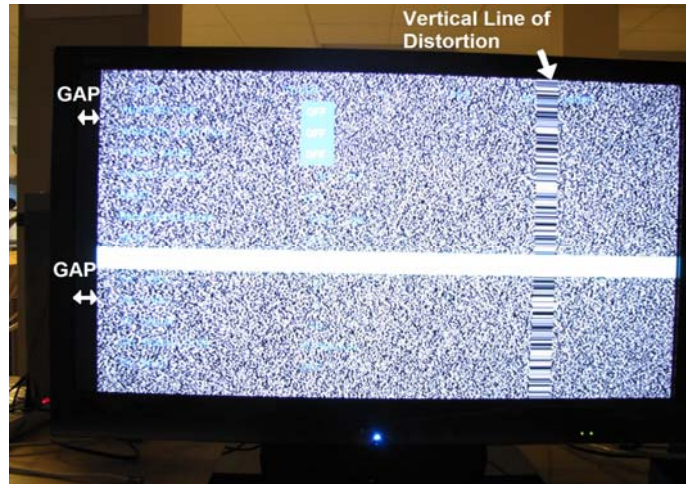
WARNING!!!! – Model Name and Size Information must be adjusted after replacing any of the Main Unit PWBs listed below

Model Number	Main Unit Part Number	Model Series Name
LC40LE700UN	DKEYMF282FM01	LE700
LC46LE700UN	DKEYMF282FM01	LE700
LC52LE700UN	DKEYMF282FM01	LE700
LC40LE700UN(A)	DKEYMF282FM10	LE700
LC46LE700UN(A)	DKEYMF282FM10	LE700
LC52LE700UN(A)	DKEYMF282FM10	LE700
LCC46700UN	DUNTKF282FM08	C700
LCC52700UN	DUNTKF282FM08	C700
LCC6077UN	DUNTKF282FM11	C77
LCC6577UM	DUNTKF282FM11	C77

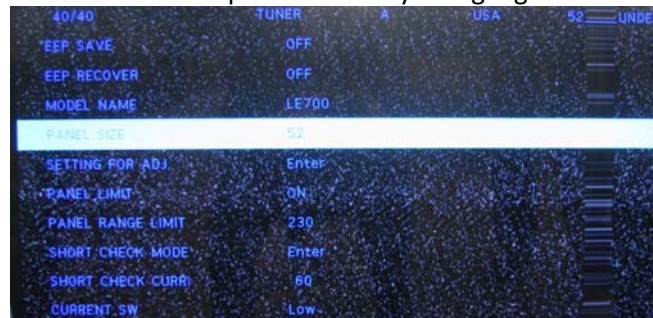
These Main Unit PWB parts do not use physical jumper settings to denote the Model size like older PWBs did. When replacing the Main Unit PWB, the Model Series and Panel Size Information must be adjusted to correctly match the type and size of LCD TV it is installed into, or the unit will malfunction.

Please use these instructions to correctly adjust the Model settings after Main Unit replacement:

1. After replacing the Main Unit, power on the unit in Service Mode.
 - a. While holding "Input" and "Vol-" keys on the side of the unit, plug in the A/C cord.
 - b. When the unit powers on, a white letter "K" should be on the left of the screen in a blue box. When you see this, let go of "Input" and "Vol-".
 - c. Quickly press and release "Ch-" and "Vol-". This should activate the Service Menu.
 - d. If the "Ch-" and "Vol-" are not pressed quickly, the unit may shut down due to a Lamp Error. If this happens, unplug the A/C cord and restart Step # 1.
2. Once in the service menu, you may see the below symptoms:
 - a. On the left side of the screen, a noticeable black gap of 1-2 inches may appear.
 - b. Near the right side of the screen, a 1 inch thick vertical line of distortion may appear.
 - c. If any text is being displayed, it may appear cut off or truncated.

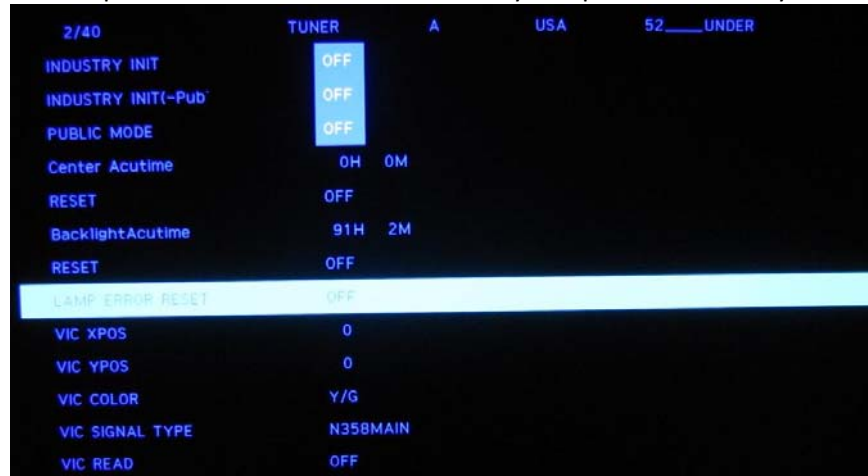


3. Press the Up Arrow key on the remote control to advance to Page 40/40 in the Service Menu.
4. Use the "Channel-" button to move down the list on Page 40/40, until you highlight "PANEL LIMIT"
5. Press the Left Arrow key "<" on the remote to change the value from "ON" to "OFF", and press "Enter" on the remote.
 - a. This Panel Limit setting locks the current size setting. Turning it off allows you to change the Panel Size.
6. Use the "Channel+" button to move up the list until you highlight "PANEL SIZE".



- a. The value next to "PANEL SIZE" will either be 32, 40, 46, 52, 60 or 65 (which corresponds to the possible screen sizes for that model series).
 - b. If the "PANEL SIZE" value number does not match the current screen size for this unit (example: If an LC40LE700UN has a Panel Size listed as "52"), then an adjustment needs to be made.
 - c. The DKEYMF282FM01/FM10 should have a "Model Name" of LE700, the DUNTKF282FM08 should have a "Model Name" of C700 and the DUNTKF282FM11 should have a "Model Name" of C77. If the Model Name is incorrect for the type of board, this should be changed as well.
7. Use the "Vol+" and/or "Vol-" buttons on the remote to select the correct "Panel Size" value for this model.
 - a. Once you've selected the correct Panel Size, press "Enter" on the remote to save that setting.
 - b. Once the setting change is made, the screen will go black for a second and then return to the adjusted size.
 - c. When the screen returns it may be darker, but should still be visible. It will remain darker until the end of this procedure and this is expected. The Panel Size value should have the words "OK OK" after it.

8. Use the Down Arrow Key on the remote to return to Page 1/40 in the Service Menu.
9. Check on Page 1/40 for any "LAMP ERROR"s. If there are Lamp Errors, proceed below. If there are no Lamp Errors, proceed to Step # 10.
 - a. If the screen is dark, the values may be hard to read so you may need to use the "Ch+" or "Ch-" buttons on the remote to highlight the necessary fields to check the values.
 - b. If there are any "LAMP ERROR"s, press the Down Arrow key to proceed to Page 2/40 on the Service Menu.
 - c. Use the "Ch-" button on the remote to highlight the "LAMP ERROR RESET" field.
 - d. Press the Right Arrow key on the remote to change "LAMP ERROR RESET" from "OFF" to "ON" and press "Enter". This will remove any Lamp errors that may have accumulated.



10. On Page 2/40, use the "Ch+" button on the remote to highlight "INDUSTRY INIT".
 - a. Press the Right arrow key on the remote to change the value from "OFF" to "ON".
 - b. Press "Enter" on the remote to begin the Initialization process.
11. When you see the Green screen confirming the unit has been initialized, unplug the A/C cord. This will save all the settings.
12. Plug the A/C cord back in.
13. Check to confirm the display appears normal, and that the unit powers up normally.
14. If the unit does not power up normally, or the display still shows the symptoms, unplug the A/C cord and retry this procedure starting at Step # 1.